

What is claimed is:

1. A radio terminal comprising:

content acquisition means for acquiring a
content on the Internet by radio;

content transfer means for transferring the
content acquired by said content acquisition means to an
external server;

content request means for, after transfer of
the content, requesting the external server to transmit
content data converted in accordance with a content
reconstruction capability of a self device;

content storage means for storing converted
content data received from the external server in
response to a request from said content request means;
and

content reconstruction means for
reconstructing the content data stored in said content
storage means.

2. A terminal according to claim 1, wherein

the external server comprises

content storage means for storing the content
transferred from said radio terminal, and

transmission/reception means for
transmitting/receiving the content and content data
to/from said radio terminal using one of radio

8 communication and cable communication.

3. A terminal according to claim 2, wherein the
2 external server comprises content reconstruction means
3 for reconstructing the content stored in said content
4 storage means without any conversion.

4. A terminal according to claim 3, wherein
2 said terminal further comprises determination
3 means for determining whether the content transferred to
4 the external server can be reconstructed by the self
5 device without any conversion, and
6 when a determination result from said
7 determination means indicates that the content can be
8 reconstructed by the self device, said content
9 reconstruction means directly reconstructs the content
10 acquired by said content acquisition means without
11 receiving the converted content from the external server.

5. A terminal according to claim 1, wherein
2 before the content data from said radio terminal is
3 reconstructed, said content reconstruction means
4 reconstructs in advance, as part of contents of the
5 content, at least part of contents of the content
6 transferred to the external server, which can be
7 reconstructed by the self device.

6. A terminal according to claim 1, wherein
2 said content acquisition means requests the
3 external server to acquire the content, and
4 the external server directly performs data
5 transmission/reception operation for content acquisition
6 to/from the Internet in response to the content
7 acquisition request.

7. A radio terminal comprising:
2 content acquisition means for acquiring a
3 content on the Internet by radio;
4 first content storage means for storing the
5 content acquired by said content acquisition means;
6 content conversion means for converting the
7 content stored in said first content storage means into
8 content data corresponding to a content reconstruction
9 capability of a self device; and
10 content reconstruction means for
11 reconstructing the content data converted by said
12 content conversion means.

8. A terminal according to claim 7, wherein
2 said terminal further comprises second content
3 storage means for storing the content data converted by
4 said content conversion means, and
5 said content reconstruction means reconstructs
6 the content data stored in said second content storage

7 means.

9. An information processing system having a
2 radio terminal connected to the Internet by radio and an
3 external server connected to said radio terminal,

4 said radio terminal comprising:

5 content acquisition means for acquiring a
6 content on the Internet by radio;

7 content transfer means for transferring the
8 content acquired by said content acquisition means to
9 said external server;

10 content request means for requesting said
11 external server to transmit a content corresponding to a
12 reconstruction capability of a self device; and

13 content reconstruction means for
14 reconstructing the content data received from said
15 external server in response to a request from said
16 content request means, and

17 said external server comprising:

18 content storage means for storing the content
19 transferred from said radio terminal by said content
20 transfer means;

21 content conversion means for converting the
22 content stored in said content storage means into
23 content data based on the request from said content
24 request means; and

25 content transmission means for transmitting

26 the content data converted by said content conversion
27 means to said radio terminal in response to the request
28 from said content request means.

10. A system according to claim 9, wherein
2 said content acquisition means comprises
3 an internal server for sending/receiving a
4 data request and response to/from the Internet, and
5 a data transfer medium for receiving the
6 content from the Internet by controlling said internal
7 server.

11. A system according to claim 10, wherein
2 said content acquisition means sends a content
3 acquisition request to said external server, and
4 said external server performs data
5 transmission/reception operation for content acquisition
6 to/from the Internet through said radio terminal in
7 response to the content acquisition request.

12. An external processing terminal comprising:
2 content reception means, connected to a radio
3 terminal for acquiring a content on the Internet, for
4 receiving the content on the Internet, which is
5 transferred from the radio terminal;
6 content conversion means for converting the
7 content received by said content reception means into

8 content data based on a request from the radio terminal;
9 content transmission means for transmitting
10 the content data converted by said content conversion
11 means to the radio terminal.

13. A terminal according to claim 12, further
2 comprising content reconstruction means for
3 reconstructing the content received by said content
4 reception means without any conversion.

14. A terminal according to claim 12, wherein
2 said terminal further comprises content
3 storage means for storing the content received by said
4 content reception means, and
5 said content conversion means converts the
6 content stored in said content storage means into the
7 content data corresponding to a reconstruction
8 capability of the radio terminal when a content
9 transmission request is received from the radio terminal.

15. A terminal according to claim 12, wherein
2 said content reception means performs content reception
3 operation from the Internet through the radio terminal
4 in response to a content acquisition request from the
5 radio terminal.